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## (54) Title: PROCESS FOR THE IDENTIFICATION OF NEW MEDICAL TARGETS

(57) Abstract: The present invention relates to a process for the isolation and identification of pharmaceutically relevant target compounds (TC) from a sample, said sample being derived from a living organism, wherein said target compound(s) bind(s) to a compound of interest (COI) under physiological conditions, said compound of interest (COI) being associated with a given impaired condition or disease. Furthermore, the present invention relates to a process for the identification of a pharmaceutically effective compound useful for preventing and/or treating a given impaired condition or disease, wherein said compound is identified by its binding to a relevant target compound (TC) that has been identified and isolated according to the above mentioned process.